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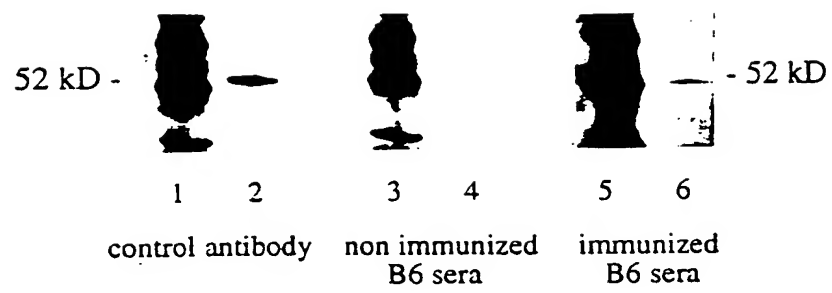
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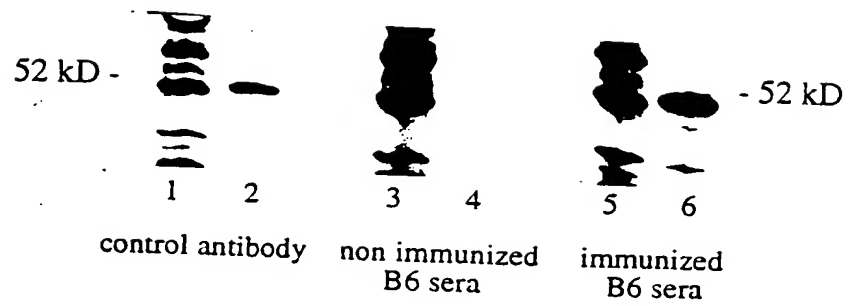
00276484-033509



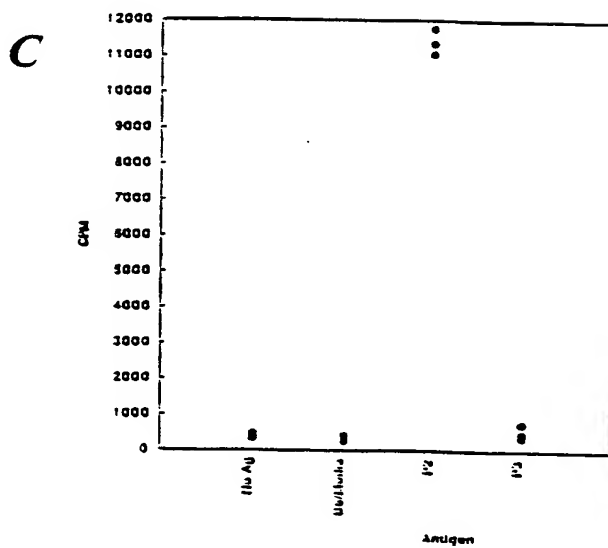
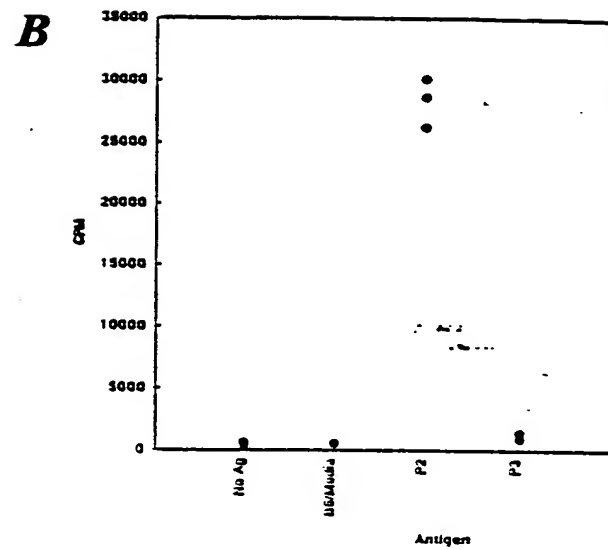
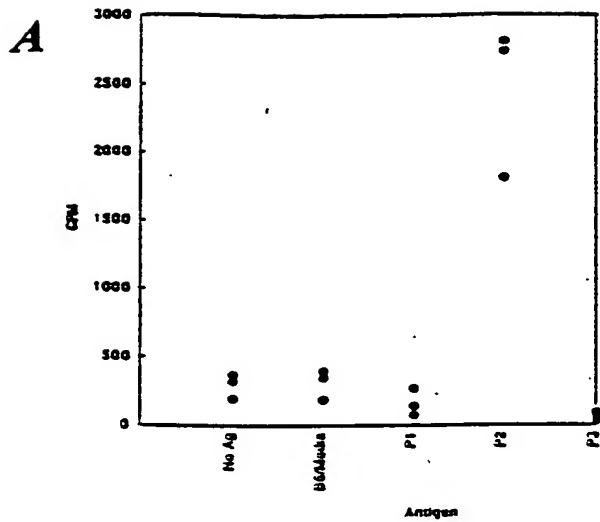
**FIG. 2**



**FIG. 3**



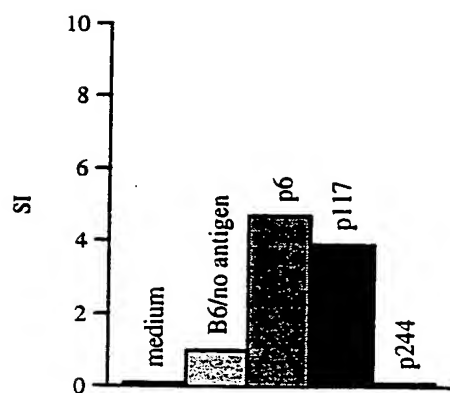
**FIG. 4**



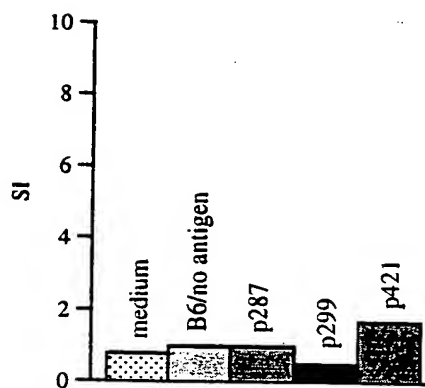
**FIG. 5A-5C**

00000-4449/200

**A** Vaccine A stimulated line

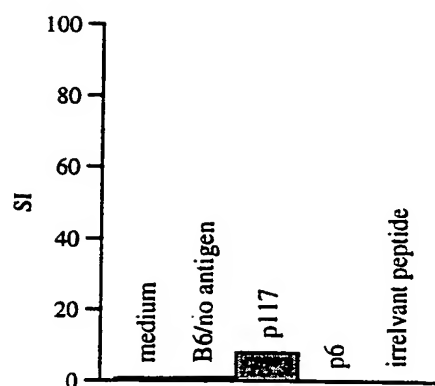


**B** Vaccine B stimulated line

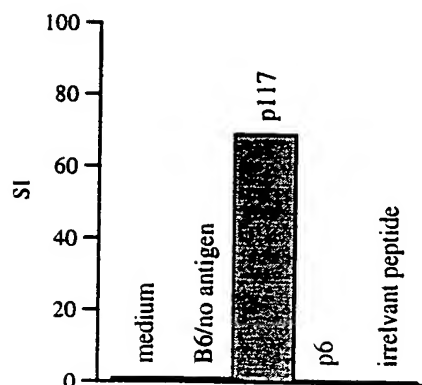


**FIG. 6A and 6B**

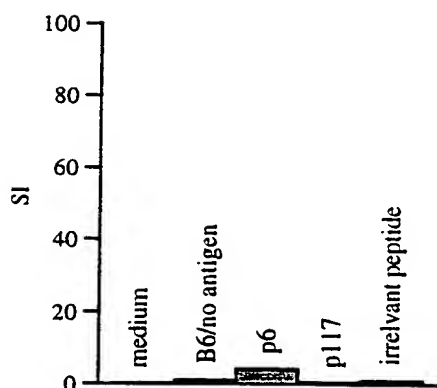
**A** p117-139 stimulated line



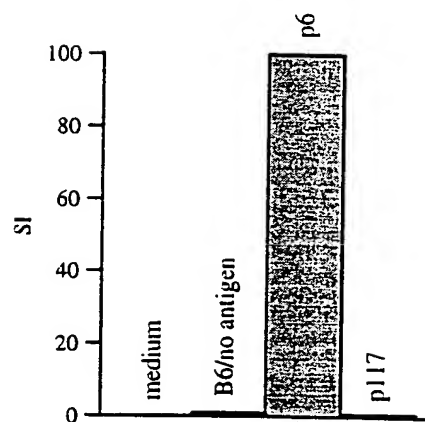
**B** p117-139 stimulated clone



**C** p6-22 stimulated line



**D** p6-22 stimulated clone



**FIG. 7A-7D**



005000-10191000

```

5   10  15  20  25  30  35  40  45  50  55  60  65  70  75
MGSDVRLNALLPAVPSLGGGGGCGALPVSGAAQWAPVLDFAFPGASAYGSLGGPAPPPAPPPPPPPPPHSHFIKQE
.....AAAAAAAAAAAAAAAA.....AAAAA.....AAAAAAAAAAAA.....
.....RRRR.....
.....

80  85  90  95  100 105 110 115 120 125 130 135 140 145 150
PSWGGAEPEHEEQCLSAFTVHFSGQFTGTAGACRYGPFPGPPPSQASSGQARMFPNAPYLPSCLESQPAIRNQYS
.....AAA.....AAAA.....AAA.....AAAAA.....
.....RRRR.....RRRR.....
.....DDDDDDDD.....
.....

155 160 165 170 175 180 185 190 195 200 205 210 215 220 225
TVTFDGTPSYGHTPSHHAAQFPNHSFKHEDPMGQCQSLGEQQYSVPPPVYGCHTPTDSCGTSQALLLRTPYSSDN
.....AAAAA.....AAAAA.....AA
.....RRRR.....
.....DDDDDDDDDDDDDDDD...
.....

230 235 240 245 250 255 260 265 270 275 280 285 290 295 300
LYQMTSQLECMTNQMNLGATLKGVAAGSSSSVKNTEGQSNHSTGYESDNHTTPILCGAQYRIHTHGVRGIQDV
AAAAAAAA.....AAA.AAA.....AAAAAAAAAAAA
.....RRRRRRRRRR.....RRRR.....RRRR.....
DDDDDD.....DDDDDDDDDDDD.....
.....ddddd.....

305 310 315 320 325 330 335 340 345 350 355 360 365 370 375
RRVPGVAPTLVRSASETSEKRPFMCAYPGONKRYFKLSHLQMHSRKHTGEKPYQCDFKDCERRFSRSDQLKRHRQR
AAAAA.AAAAAAAAAA.....AAAA.AAAAAAAAAA
.....RRRRR.....RRRR.....
.....DDDDDD.....
.....

380 385 390 395 400 405 410 415 420 425 430 435 440 445 450
RHTGVKPFQCKTCQKRFSDHLKTHTRHTGKTSEKPFSCRWPSQKKFARSDELVRHHNMHQRMNTKLQAL
.....AAAA.AAAA.AA.....AAAA.....AAA.....AAAAA.....AAA.....
.....RRRR.RRRR.....
.....ddddd.....

```

FIG. 8A

0052E0 1319200

```

5   10  15  20  25  30  35  40  45  50  55  60  65  70  75
MGSDVRDLNALLPAVSSLGGGGGCGLPVSGAAQWAPVLDFAAPPASAYGSLGGPAPPPAPPPPPPPPPHSFIKQE
.....AAAAAAAAAAAAAAAAAAAA.....AAAAA.....AAAAAAAAAAAA.....
.....RRRR.....
.....

80  85  90  95  100 105 110 115 120 125 130 135 140 145 150
PSWGGAEPEEQCLSAFTLHFSGQFTGTAGACRYGPFPGPPPSQASSGQARMFPNAPYLPSCLESQPTIRNQGYS
.....AAAA.....AAA.....AAAAA.....
.....RRRR.....RRRR.....
.....DDDDDDDD.....

155 160 165 170 175 180 185 190 195 200 205 210 215 220 225
TVTFDGAPSYGHTPSHHAAQFPNHSFKHEDPMGQCGSLGEQQYSVPPPVYGCHTPTDSCTGSQALLLRTPYSSDN
.....AAAA.....AAAAA.....AA
.....RRRR.....
.....DDDDDDDDDDDDDD.....

230 235 240 245 250 255 260 265 270 275 280 285 290 295 300
LYCMTSQLCMTWNQMNLGATLKGMAAGSSSSSVKWTGQSNHGIGYESDNHTAPILCGAQYRINTHGTVFRGIQDV
AAAAA.....AAA.AAA.....AAAAA.....
.....RRRRRRRRRR.....RRRR.....RRRR.....
DDDDDD.....DDDDDDDDDDDD.....ddddd.....

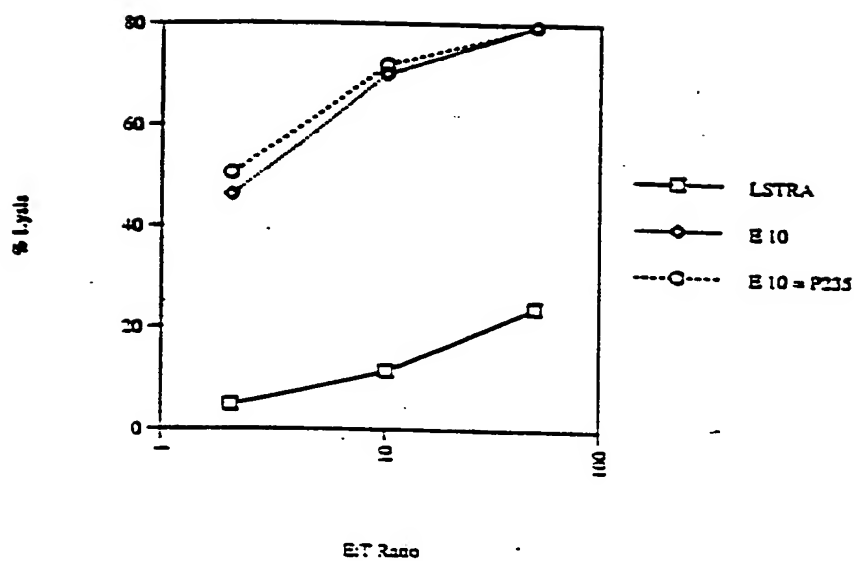
305 310 315 320 325 330 335 340 345 350 355 360 365 370 375
RRVSGVAPTILVRSASETSEKRPFMCAYPGONKRYFKLSHLQMHSRKHTGEKPYQCDFKDCERRFSRSDQLKRHQR
AAAAA.....AAAAA.....AAAA.AAAAAA.....
....RRRR.....RRRR.....
..DDDDDDDDDDDD.....

380 385 390 395 400 405 410 415 420 425 430 435 440 445 450
RHTGVKPFQCKTCQRKFSRSDHLKTHTRTHTGKTSEKPFECRWHSQCQKXFAARSDLVRRHHNMHQRNMTKLHVAL
.....AAAA.AAAA..AA.....AAAA.....AA.....AAAAA.....AAAA.....
.....RRRR..RRRR.....
.....dddddddddd.....
```

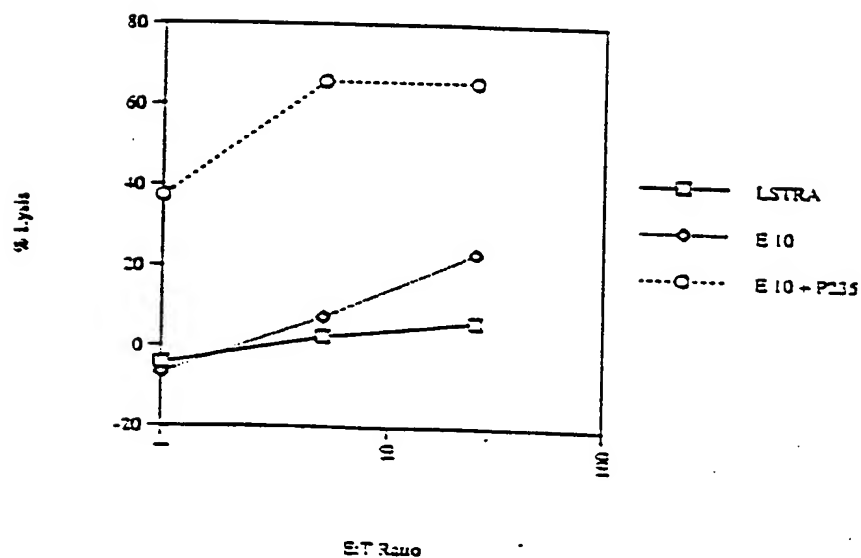
FIG. 8B

000000-1849/200

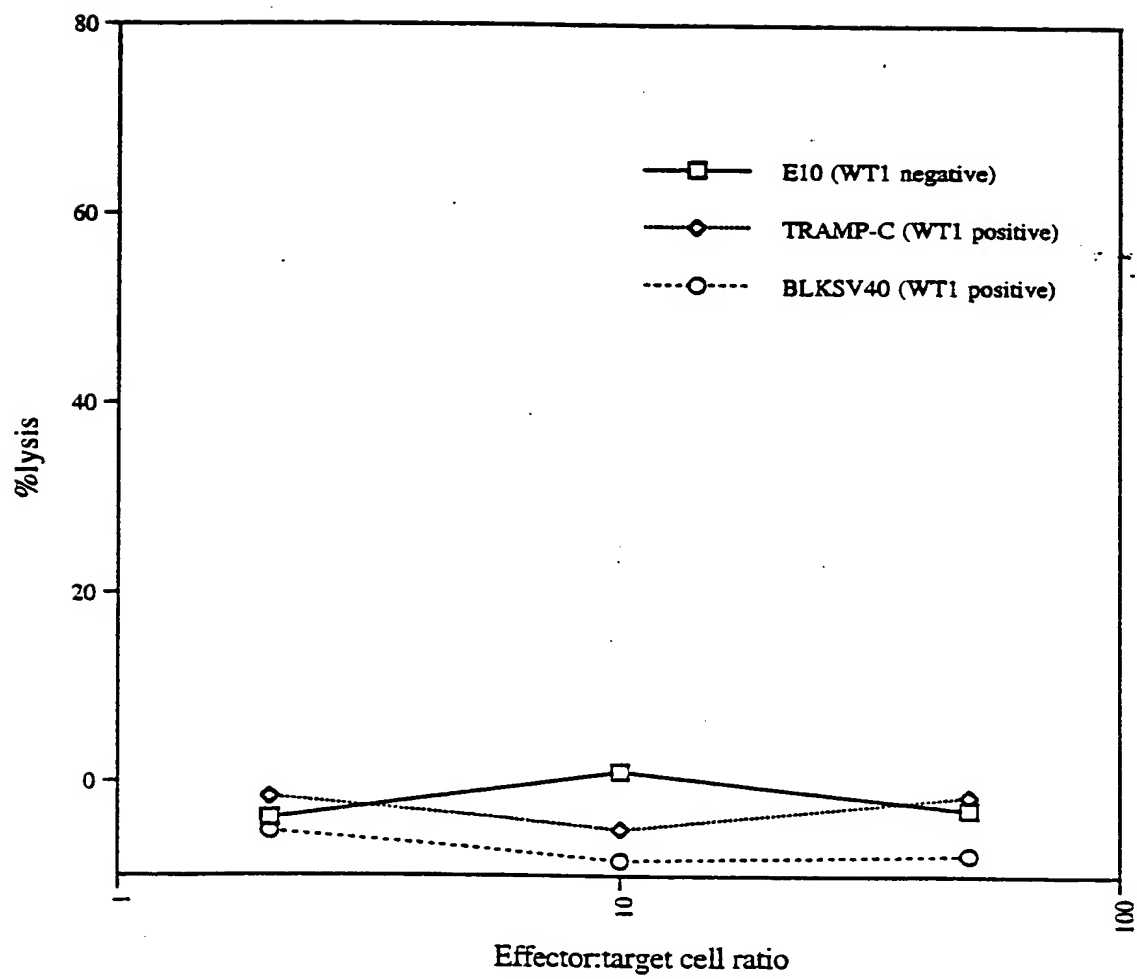
**A**



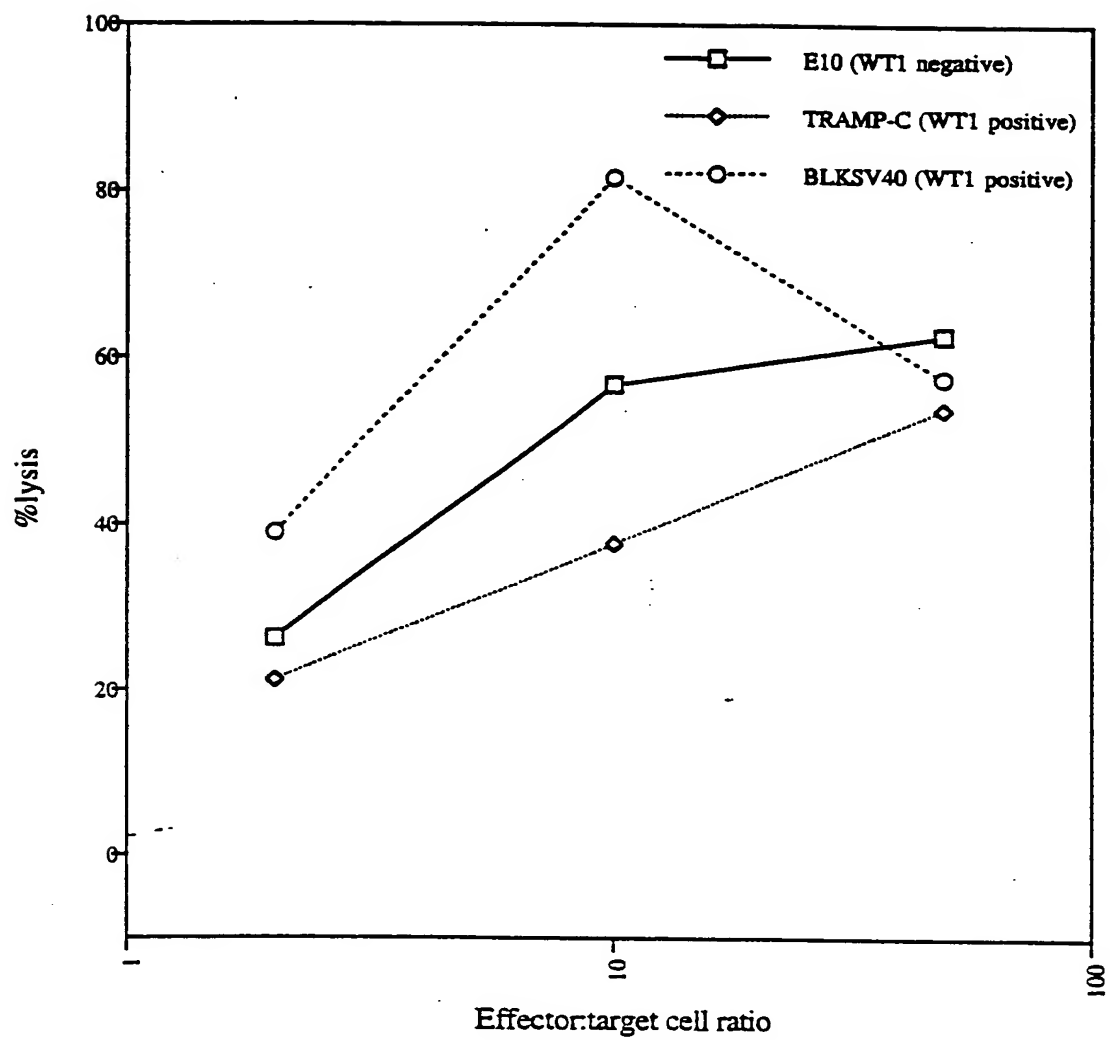
**B**



**FIG. 9A and 9B**



**FIG. 10A**



**FIG. 10B**

66920-1879260

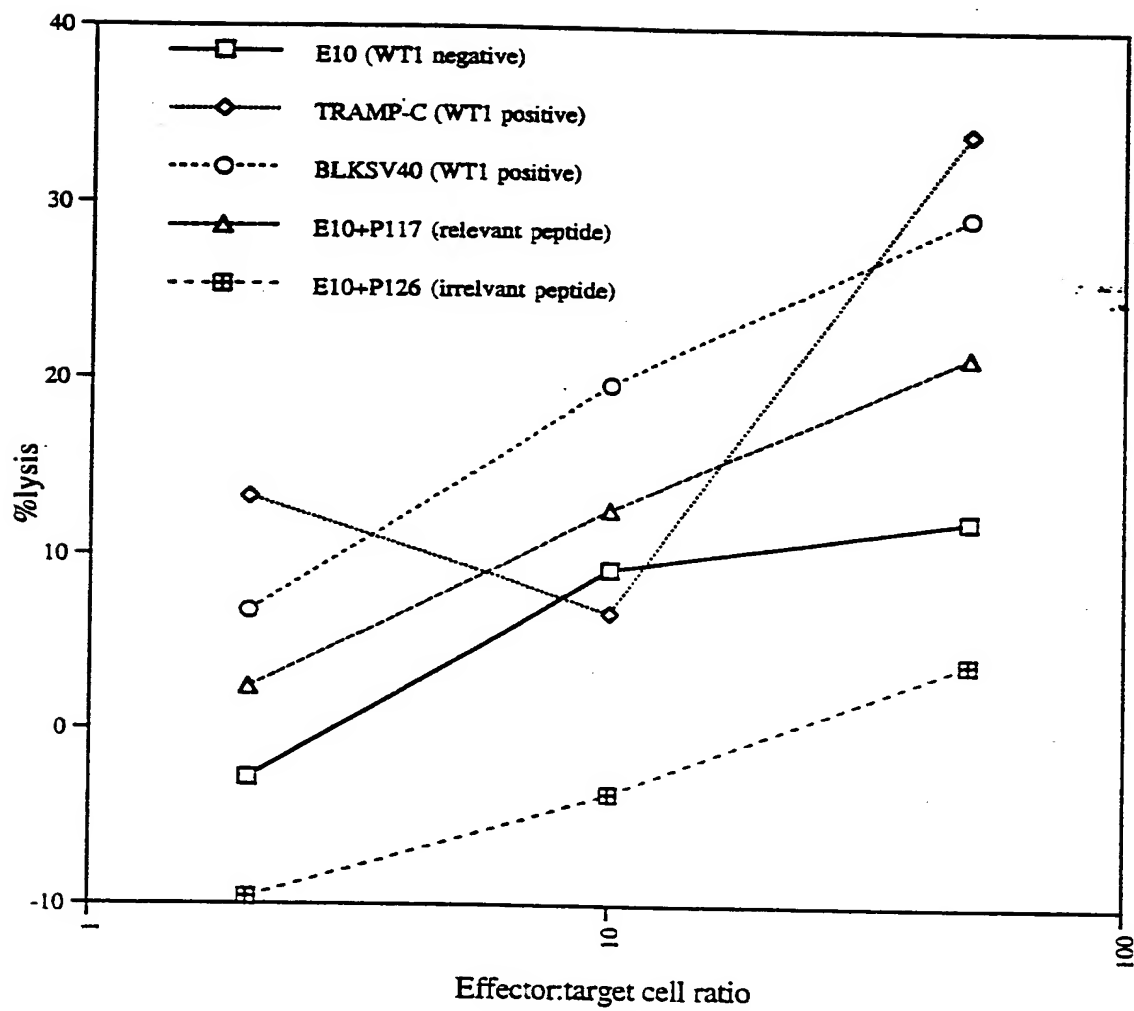


FIG. 10C

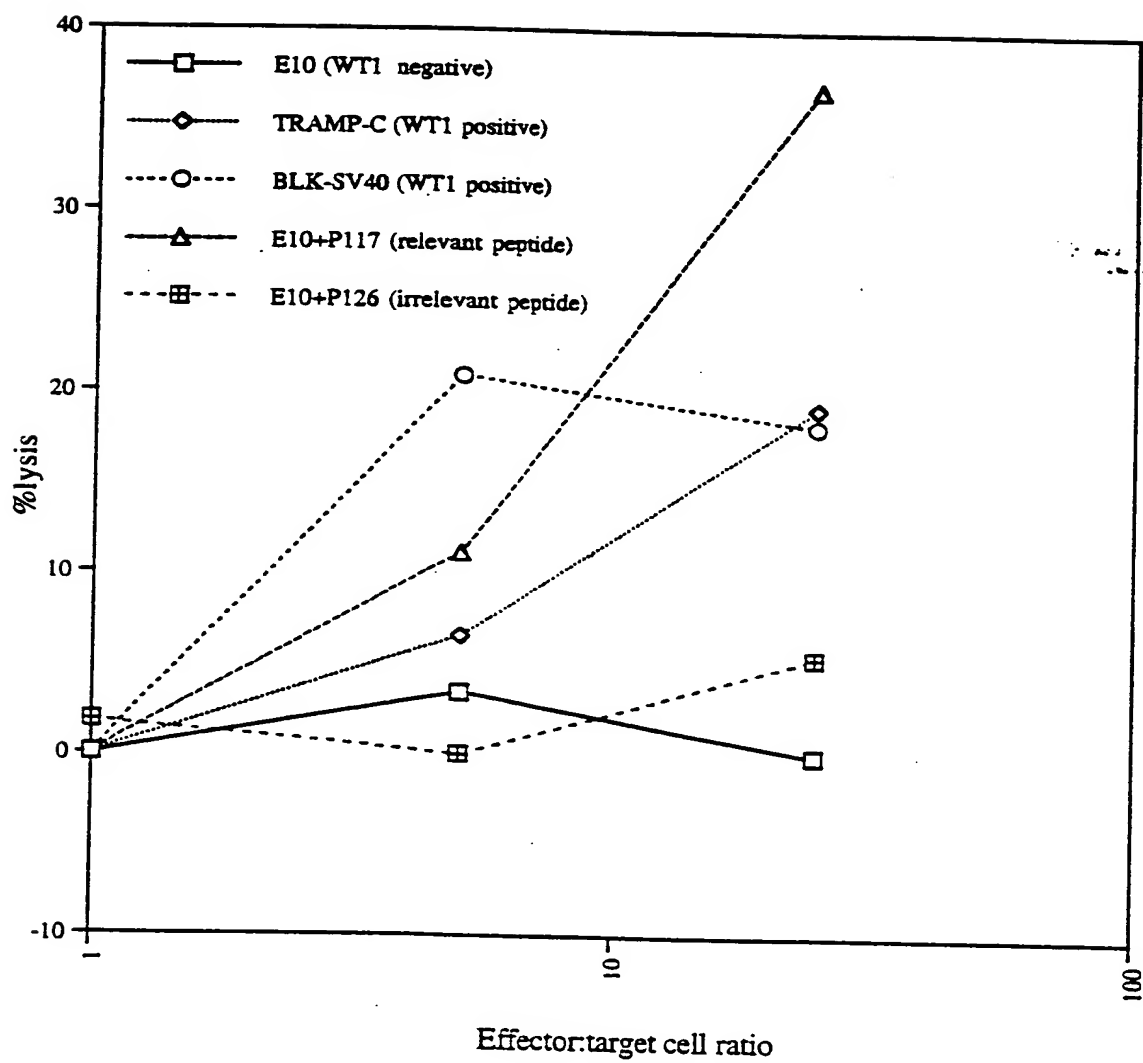
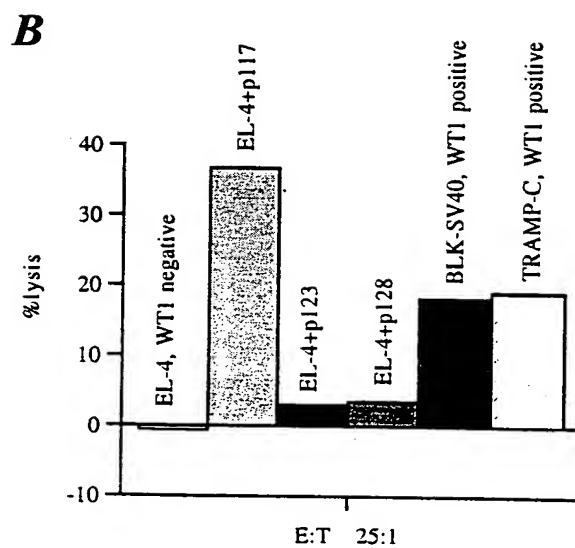
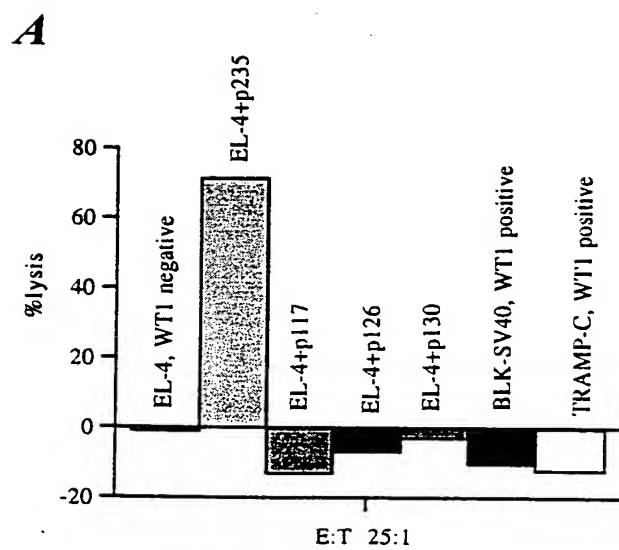
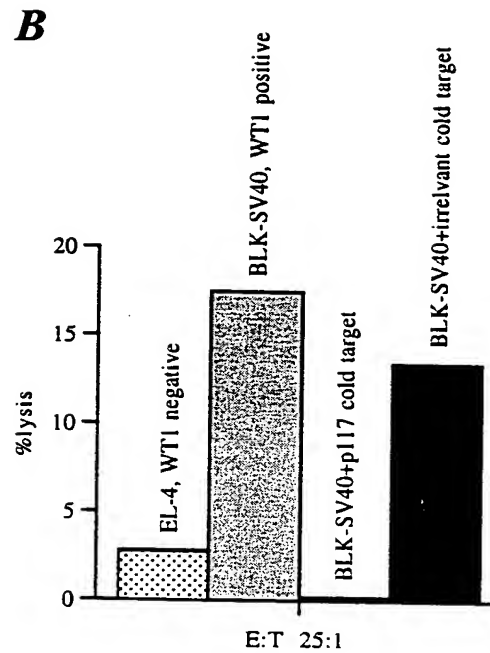
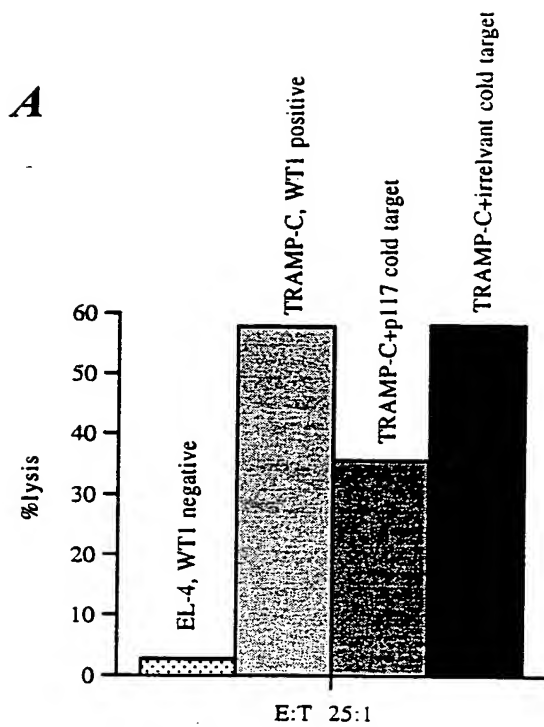


FIG. 10D



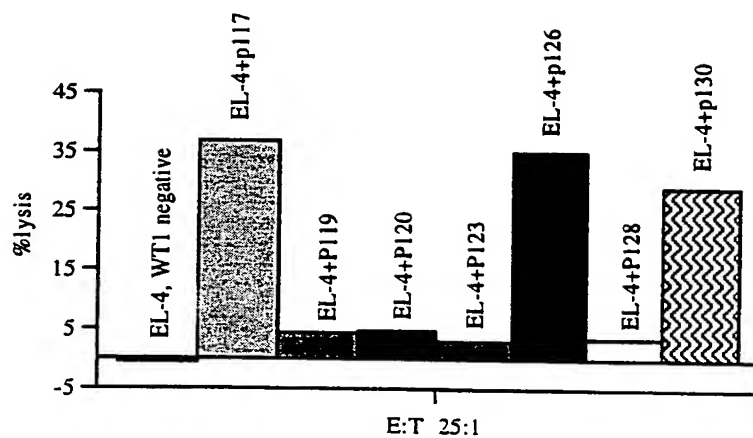
**FIG. 11A and 11B**



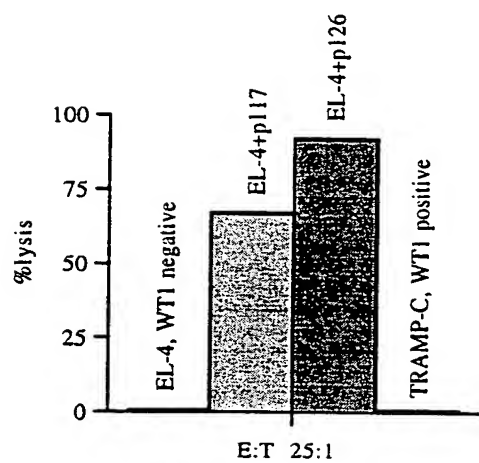


**FIG. 12A and 12B**

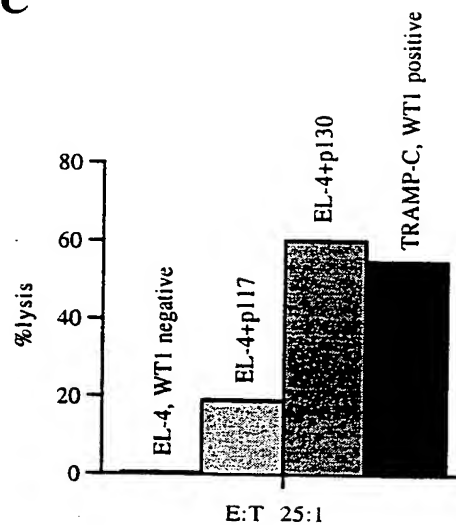
**A**



**B**



**C**



**FIG. 13A-13C**